

Table 2
Draft Outdoor Air Analytical Results
Fruitland Magnesium Fire
Maywood, Los Angeles County, California

Parameters	Home:	Southern Perimeter	Northern Perimeter	Western Perimeter	Eastern Perimeter	Northern Perimeter	Southern Perimeter	Western Perimeter	Eastern Perimeter
	Field Sample ID:	MWF-METALS-001 / MWF-HCN-001	MWF-METALS-002 / MWF-HCN-002	MWF-METALS-003 / MWF-HCN-003	MWF-METALS-004 / MWF-HCN-004	MWF-METALS-005	MWF-METALS-006	MWF-METALS-007	MWF-METALS-008
	Sample Date:	6/15/2016	6/15/2016	6/15/2016	6/15/2016	6/15/2016	6/15/2016	6/15/2016	6/15/2016
	Laboratory Job Number:	82527	82527	82527	82527	82549	82549	82549	82549
	Adult / Child / Duplicate:								
Units									
Hydrogen Cyanide / NIOSH-6010	mg/m ³	ND<0.125	ND<0.125	ND<0.125	ND<0.125				
Metals / NIOSH-7303(M)									
Aluminum	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	0.992	1.25	1.69	0.345
Antimony	µg/m ³	ND<0.25	5.43	ND<0.25	ND<0.25	0.412	ND<0.25	ND<0.25	ND<0.25
Arsenic	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Barium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Beryllium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Cadmium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Calcium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	5.55	5.49	8.08	2.69
Chromium	µg/m ³	1.53	ND<0.25	ND<0.25	1.42	ND<0.25	ND<0.25	ND<0.25	0.646
Cobalt	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Copper	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Iron	µg/m ³	3.14	ND<0.25	ND<0.25	ND<0.25	ND<0.25	0.895	4.10	ND<0.25
Lead	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Magnesium	µg/m ³	1.16	ND<0.25	ND<0.25	1.36	ND<0.25	2.47	2.11	0.386
Manganese	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Molybdenum	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Nickel	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Potassium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	7.43	0.432	0.887	ND<0.25
Selenium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Sodium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	5.82	7.01	8.44	2.41
Thallium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Vanadium	µg/m ³	0.399	0.405	1.81	0.327	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Zinc	µg/m ³	ND<0.25	6.25	ND<0.25	0.423	6.52	ND<0.25	0.307	ND<0.25

Notes:
Bold results exceed applicable limits for characteristic hazardous wastes
ND<X = constituents(s) not detected at or above method detection limit
* = Target analyte was detected in the batch field blank(s) and subtracted by the field blank concentration per NIOSH Method 7300
J = analyte was detected. However, analyte concentration is an estimated value which is between the method detection limit (MDL) and the practical quantitation limit (PQL)
mg/m³ = milligram per cubic meter
µg/m³ = microgram per cubic meter

Table 2
Draft Outdoor Air Analytical Results
Fruitland Magnesium Fire
Maywood, Los Angeles County, California

Parameters	Home:	Northern Perimeter	Southern Perimeter	Northern Perimeter	Northern Perimeter	Southern Perimeter	Southern Perimeter	Southern Perimeter	Northern Perimeter
	Field Sample ID:	MWF-METALS-009	MWF-METALS-010	MWF-METALS-022	MWF-METALS-031	MWF-METALS-032	MWF-METALS-033	MWF-METALS-034	MWF-METALS-035
	Sample Date:	6/16/2016	6/16/2016	6/17/2016	6/18/2016	6/18/2016	6/20/2016	6/19/2016	6/19/2016
	Laboratory Job Number:	82565	82565	82565	82565	82565	82717	82565	82565
	Adult / Child / Duplicate:								
Units									
Hydrogen Cyanide / NIOSH-6010	mg/m ³								
Metals / NIOSH-7303(M)									
Aluminum	µg/m ³	1.22	0.643	1.33	0.804 *	0.468 *	ND<0.25	0.649	0.539
Antimony	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Arsenic	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Barium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Beryllium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Cadmium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Calcium	µg/m ³	7.87 *	*	*	0.853 *	*	2.43	1.76 *	1.02 *
Chromium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	0.445 *	ND<0.25	0.405	ND<0.25 *	ND<0.25 *
Cobalt	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Copper	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Iron	µg/m ³	1.50 J	6 J	1.53	*	*	0.899	ND<0.25	ND<0.25
Lead	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Magnesium	µg/m ³	7.91	44	5	2.62	*	1.03	0.760	0.690
Manganese	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Molybdenum	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Nickel	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Potassium	µg/m ³	ND<0.25	ND<0.25	1.07	ND<0.25	1.38	ND<0.25	ND<0.25	ND<0.25
Selenium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Sodium	µg/m ³	3.80	3.71	4.20 *	2.35 *	1.93 *	3.20	2.02	1.86
Thallium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Vanadium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Zinc	µg/m ³	0.295	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25

Notes:
ND results exceed applicable limits for char;
ND<X = constituents(s) not detected at or ab
* = Target analyte was detected in the batch fi
J = analyte was detected. However, analyte co
mg/m³ = milligram per cubic meter
µg/m³ = microgram per cubic meter

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Draft Outdoor Air Analytical Results
Fruitland Magnesium Fire
Maywood, Los Angeles County, California

Parameters	Home:	Southern Perimeter	Northern Perimeter	Northern Perimeter	Ex. 6 - Personal Privacy		Ex. 6 - Personal Privacy	Southern Perimeter	Northern Perimeter
	Field Sample ID:	MWF-METALS-036	MWF-METALS-037	MWF-METALS-038	MWF-METALS-043	MWF-METALS-046	MWF-METALS-047	MWF-METALS-068	MWF-METALS-069
	Sample Date:	6/20/2016	6/20/2016	6/20/2016	6/20/2016	6/22/2016	6/22/2016	6/23/2016	6/23/2016
	Laboratory Job Number:	82717	82717	82717	82717	82731	82731	82746	82746
	Adult / Child / Duplicate:								
	Units								
Hydrogen Cyanide / NIOSH-6010	mg/m ³								
Metals / NIOSH-7303(M)									
Aluminum	µg/m ³	ND<0.25	ND<0.25	0.347	ND<0.25	ND<0.25	0.303	0.334	0.497
Antimony	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Arsenic	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Barium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Beryllium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Cadmium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Calcium	µg/m ³	2.43	8	1.42	J	J	5.44 *	1.14 *	1.43 *
Chromium	µg/m ³	0.395	0.2	0.46	0.304	ND<0.25	ND<0.25 *	D<0.25	ND<0.25
Cobalt	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	D<0.25	ND<0.25
Copper	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	D<0.25	ND<0.25
Iron	µg/m ³	ND<0.25	0.51	ND<0.25	ND<0.25	ND<0.25	0.480	D<0.25	ND<0.25
Lead	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	D<0.25	ND<0.25
Magnesium	µg/m ³	0.849	0.42	0.7	0.792	0	0.764	0.467	0.626
Manganese	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	D<0.25	ND<0.25
Molybdenum	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	D<0.25	ND<0.25
Nickel	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Potassium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	1.29	1.52	ND<0.25	ND<0.25
Selenium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Sodium	µg/m ³	0.923	1.36	2.85	2.80	0.301	2.80	1.91	2.20
Thallium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Vanadium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Zinc	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	0.364	ND<0.25	ND<0.25

Notes:
Bold results exceed applicable limits for char;
ND<X = constituents(s) not detected at or abv
* = Target analyte was detected in the batch fi
J = analyte was detected. However, analyte co
mg/m³ = milligram per cubic meter
µg/m³ = microgram per cubic meter

Table 2
Draft Outdoor Air Analytical Results
Fruitland Magnesium Fire
Maywood, Los Angeles County, California

Parameters	Home:	Northern Perimeter	Southern Perimeter	Southern Perimeter	Northern Perimeter	Southern Perimeter	Northern Perimeter	Ex. 6 - Personal Privacy	
	Field Sample ID:	MWF-METALS-107	MWF-METALS-108	MWF-METALS-120	MWF-METALS-121	MWF-METALS-146	MWF-METALS-147	MWF-METALS-148	MWF-METALS-149
	Sample Date:	6/24/2016	6/24/2016	6/25/2016	6/25/2016	6/26/2016	6/26/2016	6/27/2016	6/27/2016
	Laboratory Job Number:	82851	82851	82856	82856	82856	82856	82873	82873
	Adult / Child / Duplicate:								
	Units								
Hydrogen Cyanide / NIOSH-6010	mg/m ³								
Metals / NIOSH-7303(M)									
Aluminum	µg/m ³	0.298 *	0.405 *	ND<0.25	ND<0.25	ND<0.25	ND<0.25	0.427 *	0.328 *
Antimony	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Arsenic	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Barium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Beryllium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Cadmium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Calcium	µg/m ³	1.13 *	ND<0.25	ND<0.25	0.585 *	8.61	2.64 *	1.27 *	
Chromium	µg/m ³	ND<0.25 *	ND<0.25 *	ND<0.25	ND<0.25	0.027	0.407	ND<0.25	ND<0.25
Cobalt	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Copper	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Iron	µg/m ³	ND<0.25	J	0.444	ND<0.25	ND<0.25	1.16	0.940	
Lead	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Magnesium	µg/m ³	0.473 *	*		0.574	0.910	0.650 *	0.568 *	
Manganese	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Molybdenum	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Nickel	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Potassium	µg/m ³	ND<0.25	ND<0.25 *	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Selenium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Sodium	µg/m ³	2.80	2.49	1.32	3.20	5.20	1.52	0.517 *	ND<0.25 *
Thallium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Vanadium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Zinc	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25

Notes:
Bold results exceed applicable limits for char;
ND<X = constituents(s) not detected at or ab
* = Target analyte was detected in the batch fi
J = analyte was detected. However, analyte co
mg/m³ = milligram per cubic meter
µg/m³ = microgram per cubic meter

Table 2
Draft Outdoor Air Analytical Results
Fruitland Magnesium Fire
Maywood, Los Angeles County, California

Parameters	Home:	Ex. 6 - Personal Privacy			Ex. 6 - Personal Privacy	Ambient Air (North)	Ambient Air (South)	Ambient Air (North)
	Field Sample ID:	MWF-METALS-200	MWF-METALS-201	MWF-METALS-207	MWF-METALS-208	MWF-METALS-209	MWF-METALS-210	MWF-METALS-211
	Sample Date:	6/27/2016	6/27/2016	6/30/2016	6/30/2016	7/1/2016	7/1/2016	7/2/2016
	Laboratory Job Number:	82873	82873	82950	82950	82954	82954	82955
	Adult / Child / Duplicate:							
	Units							
Hydrogen Cyanide / NIOSH-6010	mg/m ³							
Metals / NIOSH-7303(M)								
Aluminum	µg/m ³	ND<0.25 *	ND<0.25 *	0.418	0.349	0.409	0.372	ND<0.25
Antimony	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Arsenic	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Barium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Beryllium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Cadmium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Calcium	µg/m ³	0.939 *	0.939 *	3.42	10.2	3.53	3.25	0.710
Chromium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Cobalt	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Copper	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Iron	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	0.689	0.522	ND<0.25
Lead	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Magnesium	µg/m ³	ND<0.25 *	0.353 *			0.922	0.883	0.657
Manganese	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Molybdenum	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Nickel	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Potassium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Selenium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Sodium	µg/m ³	1.26 *	1.03 *	7.00	6.90	5.45	4.78	3.07
Thallium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Vanadium	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Zinc	µg/m ³	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<0.25

Notes:
Bold results exceed applicable limits for char
ND<X = constituents(s) not detected at or ab
* = Target analyte was detected in the batch fi
J = analyte was detected. However, analyte co
mg/m³ = milligram per cubic meter
µg/m³ = microgram per cubic meter

Table 2
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Fruitland Magnesium Fire
Maywood, Los Angeles County, California

Parameters	Home:	Ambient Air (South)
	Field Sample ID:	MWF-METALS-212
	Sample Date:	7/2/2016
	Laboratory Job Number:	82955
	Adult / Child / Duplicate:	
	Units	
Hydrogen Cyanide / NIOSH-6010	mg/m ³	
Metals / NIOSH-7303(M)		
Aluminum	µg/m ³	ND<0.25
Antimony	µg/m ³	ND<0.25
Barium	µg/m ³	ND<0.25
Beryllium	µg/m ³	ND<0.25
Cadmium	µg/m ³	ND<0.25
Calcium	µg/m ³	0.999
Chromium	µg/m ³	ND<0.25
Copper	µg/m ³	ND<0.25
Iron	µg/m ³	ND<0.25
Lead	µg/m ³	ND<0.25
Magnesium	µg/m ³	ND<0.25
Manganese	µg/m ³	ND<0.25
Molybdenum	µg/m ³	ND<0.25
Nickel	µg/m ³	ND<0.25
Potassium	µg/m ³	ND<0.25
Selenium	µg/m ³	ND<0.25
Sodium	µg/m ³	3.46
Thallium	µg/m ³	ND<0.25
Vanadium	µg/m ³	ND<0.25
Zinc	µg/m ³	ND<0.25

Notes:
Bold results exceed applicable limits for char;
ND<X = constituents(s) not detected at or above X
* = Target analyte was detected in the batch file
J = analyte was detected. However, analyte concentration is below the detection limit
mg/m³ = milligram per cubic meter
µg/m³ = microgram per cubic meter